Statement of Volatility – Dell Venue 11 Pro-7130/7139

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

The Dell Venue 11 pro contains both volatile and non-volatile (NV) components. Volatile components lose their data immediately after power is removed from the component. Non-volatile (NV) components continue to retain their data even after power is removed from the component. The following NV components are present on the Dell Venue 11 pro system board.

Table 1. List of Non-Volatile Components on System Board

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Embedded Flash in embedded controller MEC1641	U3001	Embedded Flash – 288KB user space, 32-bit Access, 10K cycles Endurance.	No	N/A
Embedded Flash in embedded controller MSP430	U3101	Embedded Flash – NV-RAM 8KB user space. Single bit write.	No	N/A
Embedded Flash in sensor controller STM32F103CBU6	U5801	Embedded Flash – NV-RAM 128KB user space for programing.	No	N/A
Embedded Flash in TPM controller AT97SC3204	U6201	Embedded Flash – NV-RAM 1280 Bytes user space for programing.	No	N/A
Panel EEDID EEPROM	Part of panel assembly	Non Volatile memory, 64K bytes.	No	Part of panel assembly
System BIOS	U2801	Non Volatile memory, 16 MB, System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
System BIOS	J2801	Non Volatile memory	No	N/A
System Memory – LP-DDR3 memory	On board memory solution. U1601, U1602, U1701,	1.2V LP-DDR3 SDRAM device is a low-current self refresh version of the 1.2V LP-DDR3 SDRAM device.	Yes	Power off system

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
	U1702,			
System Memory – DDR3L-RS memory	On board memory solution. U1501, U1502, U1601, U1602,	1.35 V DDR3L-RS SDRAM device is a low-current self-refresh version of the 1.35 V DDR3L SDRAM device. Total 4GB and 8GB versions are used in Venue 11 pro.	Yes	Power off system
RTC CMOS	U0301	Non Volatile memory, 256 Bytes of Battery-backed SRAM. Stores CMOS information.	No	N/A
Hard drive(s)-SSD	User replaceable J5501	Non-Volatile magnetic media, various sizes in 64,128,256GB. Types are all also SSD (solid state flash drive) solutions.	Yes	Low level format

△ **CAUTION: All other components on the system board lose data if power is removed from the system. Primary power loss (unplugging the power cord and removing the battery) destroys all user data on the memory (DDR3, 1067 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.**

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